

RP00528

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# Recombinant Human IL-31RB/OSMRB/OSM R beta Protein

Catalog No.: RP00528

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	9180	Q99650

### Tags

C-6×His

### Synonyms

OSMR;IL-31R-beta;IL-31RB;OSMRB;PLCA1

## Background

Oncostatin-M-Specific Receptor Subunit  $\beta$  (OSMR  $\beta$ ) is a 150 - 180 kDa member of the IL-6 receptor family. OSMR  $\beta$  associates with gp130 to form the type II OSM receptor, the receptor is responsive to OSM. Gp130 subunit is shared by other IL-6 family cytokine receptors, and OSMR $\beta$  associates with gp130-like receptor (GPL) to form a receptor complex responsive to IL-31. The human OSMR  $\beta$  cDNA encodes a 979 amino acid (aa) precursor, the precursor includes a 27 aa signal sequence, a 712 aa extracellular domain (ECD), a 22 aa transmembrane segment, and a 218 aa cytoplasmic domain. The ECD contains one partial and one complete hematopoietin domain, an Ig-like domain, and three Fibronectin type-III domains.

## Basic Information

### Description

Recombinant Human IL-31RB/OSMRB/OSM R beta Protein is produced by Human cells expression system. The target protein is expressed with sequence (Glu28-Ser739) of human IL-31RB/OSMRB/OSM R beta (Accession #Q99650) fused with a 6×His tag at the C-terminus.

### Bio-Activity

Measured by its ability to bind rhOSM in the presence of rhgp130 in a functional ELISA.

### Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

### Endotoxin

< 1 EU/ $\mu$ g of the protein by LAL method.

### Formulation

Lyophilized from a 0.2  $\mu$ m filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Contact us for customized product form or formulation.

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

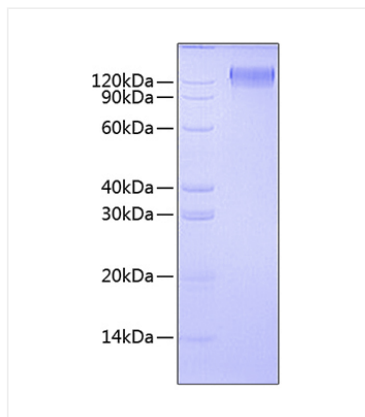
## Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant Human IL-31RB/OSMRB/OSMR beta Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.